

## Attachment 6 - RCRA Pond Perimeter Surface Monitoring

Date	Pond 8E		Pond 9E		Pond 8S		Phase IV		Pond 15S		Pond 16S		Pond 17		Pond 18A		Comment
	Breathing zone	Detection	Breathing zone	Detection	Breathing zone	Detection	Breathing zone	Detection	Breathing zone	Detection	Breathing zone	Detection	Breathing zone	Detection	Breathing zone	Detection	
July/August-10	0.00	No	0.00	No	0.00	No	0.00	No	0.00	Yes	NS		0.00	No	0.00	No	Pond 15S detection locations were marked and the entire pond cap surface was monitored
October-10	0.00	No	0.00	No	0.00	No	0.00	No	0.00	No	0.00	No	0.00	No	0.00	No	
November-10	0.00	No	NS		NS		NS		0.00	No	NS		0.00	No	0.00	No	
December-10	NW		NS		NS		NS		0.00	No	NS		0.00	No	0.00	No	8E perimeter was snow covered for the month.
January-11	NW		NS		NS		NS		NW		NS		NW		NW		8E, 15S, 17, and 18A were snow covered for the month
February-11	NW		NS		NS		NS		0.00	No	0.00	No	0.00	No	0.00	No	8E perimeter was snow covered for the month.
March-11	0.00	No	0.00	No	0.00	No	0.00	No	0.00	No	NS		0.00	No	0.00	No	
April-11	0.00	No	NS		NS		NS		0.00	No	NS		0.00	No	0.00	No	
May-11	0.00	No	0.00	No	0.00	No	0.00	No	0.00	No	0.00	No	0.00	No	0.00	No	
June-11	0.00	No	NS		NS		NS		0.00	No	NS		0.00	No	0.00	No	
July-11	0.00	No	NS		NS		NS		0.00	No	NS		0.00	No	0.00	No	
August-11	0.00	No	0.00	No	0.00	No	0.00	No	0.00	No	0.00	No	0.00	No	0.00	No	
September-11	0.00	No	NS		NS		NS		0.00	No	NS		0.00	No	0.00	No	
October-11	NS		NS		NS		NS		NS		NS		NS		0.00	No	Pond 18A enhance monitoring (10/10/11)
															0.00	No	Pond 18A enhance monitoring (10/25/11)
	0.00	No							0.00	No			0.00	No	0.00	No	Pond 15S (11/2/11), Pond 18A (11/8/11)
	-	-							0	Yes			-	-	-	-	Pond 15S (11/16/11), from Soils gas probe #15 to #3 and west standpipe excavation area. 0.05 ppm was found near probe #15, and #2. Investigate afterward pin pointed PH3 from the base of soil gas probe #2, and could not find any PH3 again around probe #15. Will re-seal the base of soil gas Probe #2.
November-11	-	-	NS		NS		NS		0.00	Yes	NS		-	-	0.00	No	Pond 15S and 18A (11/21/11) On pond 15S 0.05 ppm was found approximately 20' east of soil gas probe #2, and 0.06 ppm approximately 38, east of soil gas probe #2. On 11/22/11 rodent holes were found near these location. The holes were filled back up with soil, and re-sample shows 0.00 ppm afterwards.
	-	-							0.00	Yes			-	-	-	-	Pond 15S (11/23/11), 0.05 ppm was found approximately 21' west of soil probe # 2, no rodent holes nor cracks were found on the ground. Investigation showed 0.05 ppm at 2" above ground and 0.00 ppm at 8" above ground at this location.
	-	-							0.00	NO			-	-	-	-	Pond 15S (11/28/11) no PH3 was found.
December-11	NS		NS		NS		NS		NW		NS		NS		NW		Pond 15S from 12/1/11 to 12/3/11
																	Pond 15S from 12/5/11 to 12/11/11
																	Pond 15S from 12/12/11 to 12/18/11
																	Pond 15S from 12/19/11 to 12/15/11
																	Pond 15S from 12/26/11 to 12/31/11
January-12	NS		NS		NS		NS		0.00	No	NS		NS		0.00	No	Pond 15S 1/5/12 (Addendum A monitoring), Pond 18A 1/6/12
									0.00	No					-	-	Pond 15S 1/11/12 (Addendum A monitoring)
									NW						-	-	Pond 15S from 1/15/12 to 1/21/12
									0.00	No					-	-	Pond 15S 1/23/12 (Addendum A monitoring)
									0.00	No					-	-	Pond 15A 1/31/12 (Addendum A monitoring)
February-12	-	-							NW				-	-			Week from 2/2/12 to 2/11/12 (Addendum A monitoring)
	0.00	No	NS		NS		NS		0.00	No	NS		0.00	No	NS		Pond 8E, 17, and 15S 2/17/12
	-	-							NW				-	-			Week from 2/19/12 to 2/25/12 (Addendum A monitoring)
	-	-							NW				-	-			Week from 2/26/12 to 3/3/12 (Addendum A monitoring)
March-12	NS		NS		NS		NS		0.00	No	-	-			-	-	Pond 15S 3/7 (Addendum A monitoring)
									0.00	No	-	-			-	-	Pond 15S 3/15 (Addendum A monitoring)
									NW		0.00	No			0.00	No	Pond 16S and 18A 3/21,
									0.00	No	-	-			-	-	Pond 15S 3/26 (Addendum A monitoring)
April-12	NS		NS		NS		NS		0.00	No	0.00	No			NS		Pond 15S 4/3 (Addendum A monitoring), Pond 16S 4/4
									0.00	No	-	-					Pond 15S 4/10 (Addendum A monitoring)
									0.00	No	-	-					Pond 15S 4/16 (Addendum A monitoring)
									0.00	No	-	-					Pond 15S 4/24 (Addendum A monitoring)
May-12	-	-							0.00	No	-	-	-	-	-	-	Pond 15S 5/1 (Addendum A monitoring)
	-	-	NS		NS		NS		0.00	No	0.00	No	-	-	0.00	No	Pond 16S 5/7, Pond 15S and 18A 5/8
	0.00	No							0.00	No	-	-	0.00	No			Pond 8E and 17 5/14/12, Pond 15S 5/15 (Addendum A monitoring)
June-12	NS		NS		NS		NS		-	-	-	-	NS		0.00	No	Pond 18A 6/7
									0.00	No	0.00	No			-	-	Pond 16S 6/11, Pond 15S 6/12 (Addendum A monitoring)
July-12	NS		NS		NS		NS		-	-	-	-	NS		0.00	No	Pond 18A 7/5
									0.00	No	0.00	No			-	-	Pond 16S 7/9, Pond 15S 7/12
August-12	-	-	-	-	-	-	-	-	0.00	No	0.00	No	-	-	0.00	No	Pond 16S and 18A 8/6, Pond 15S 8/9
	0.00	No	0.00	No	0.00	No	0.00	No	0.00	No	-	-	0.00	No	-	-	Pond 9E and 8S 8/14, Pond 8E, Phase IV, and 17 8/15, Pond 15S 8/14 (Addendum A monitoring)
September-12	NS		NS		NS		NS		0.00	No	-	-	NS		-	-	Pond 15S 9/12 (Addendum A monitoring)
									-	-	0.00	No			0.00	No	Pond 16S and 18A 9/17
October-12	NS		NS		NS		NS		NS		0.00	No	NS		0.00	No	Pond 16S and 18A 10/9
November-12	NS		NS		NS		NS		NS		0.00	No	NS		0.00	Yes	Pond 16S 11/6 and 18A 11/8. Pond 18A perimeter surface scan detected PH3 > 0.05ppm at 2 locations, performed low lying area investigation and full surface scan on 18A, no detection above 0.05 ppm found. Performed 18A perimeter surface re-monitoring on 11/14/2012 and there were no PH3 detection.
December-12	NS		NS		NS		NS		NS		0.00	No	NS		0.00	No	Pond 18A 12/3, and pond 16S 12/11.
January-13	NS		NS		NS		NS		NS		NW		NS		NW		16S and 18A were snow covered for the month
February-13	NS		NS		NS		NS		NS		0.00	No	NS		0.00	No	Pond 16S and 18A 2/7
March-13	NS		NS		NS		NS		NS		0.00	No	NS		0.00	No	Pond 16S and 18A 3/19
April-13	NS		NS		NS		NS		NS		0.00	No	NS		0.00	No	Pond 16S and 18A 4/15
May-13	NS		NS		NS		NS		NS		0.00	No	NS		0.00	No	Pond 16S 5/13 and 18A 5/23
June-13	NS		NS		NS		NS		NS		0.00	No	NS		0.00	No	Pond 16S and 18A 6/18
July-13	NS		NS		NS		NS		NS		0.00	No	NS		0.00	No	Pond 16S and 18A 7/2
August-13	0.00	No	0.00	No	0.00	No	0.00	No	0.00	No	NS		0.00	No	0.00	No	Pond 8E, 8S, and 18A 8/15, Pond 9E, PH IV, 15S, and 17 8/21
September-13	NS		NS		NS		NS		NS		NS		NS		0.00	No	Pond 18A 9/18
October-13	NS		NS		NS		NS		NS		NS		NS		0.00	No	Pond 18A 10/15
November-13	NS		NS		NS		NS		NS		0.00	No	NS		0.00	No	Pond 16S on 11/14, Pond 18A 11/11
December-13	NS		NS		NS		NS		NS		NS		NS		NW		18A was snow covered for the month
January-14	NS		NS		NS		NS		NS		NS		NS		0.00	No	Pond 18A 1/7
February-14	NS		NS		NS		NS		NS		0.00	No	NS		0.00	No	Pond 16S 2/14, 18A 2/10.
March-14	NS		NS		NS		NS		NS		NS		NS		0.00	No	Pond 18A 3/12
April-14	NS		NS		NS		NS		NS		NS		NS		0.00	No	Pond 18A 4/7
May-14	NS		NS		NS		NS		0.00	No	0.00	No	NS		0.00	No	Pond 15S 5/30, 16S 5/14, 18A 5/12
June-14	NS		NS		NS		NS		0.00	No	0.00	No	NS		0.00	No	Pond 15S, 16S & 18A 6/11
July-14	NS		NS		NS		NS		0.00	No	0.00	No	NS		0.00	No	Pond 15S, 16S & 18A - 7/8,7/7,7/9
August-14	0		0		0		0		0.00	No	0.00	No	0		0.00	No	Pond 8S+16S 8/7, Pond 8E+ 9E+PH IV 8/11, Pond 15S+17 8/12, and Pond 18A 8/13
September-14	NS		NS		NS		NS		0.00	No	0.00	No	NS		0.00	No	Pond 15S, 16S & 18A - 9/10, 9/4, 9/4
October-14	NS		NS		NS		NS		0.00	No	0.00	No	NS		0.00	No	Pond 15S, 16S & 18A - 10/6, 10/7, 10/6
November-14	NS		NS		NS		NS		NW		0.00	No	NS		NW		Pond 16S 11/12 Ponds 15S & 18A snow cover or wind prohibited scan

## Notes

NS = not surveyed (not required)

NW = not completed due to weather / surface conditions